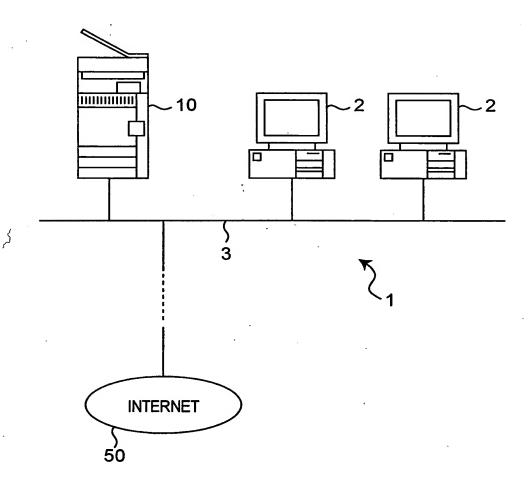
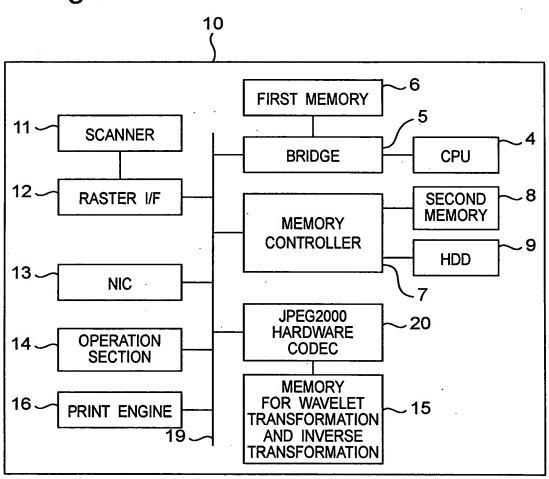
Fig.1

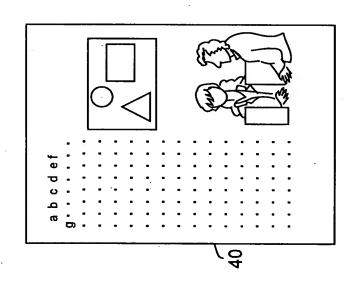


11)

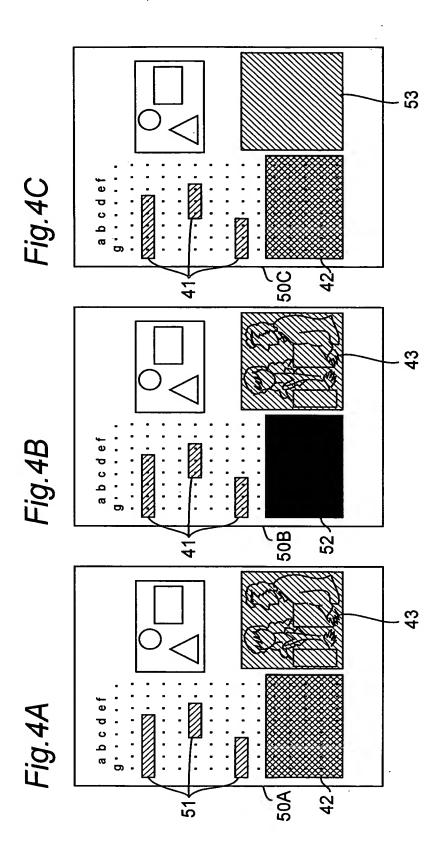
Fig.2



APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 3 OF 16



APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 4 OF 16



APPLN. FILING DATE: MARCH 25, 2004 TITLE: IMAGE PROCESSING SYSTEM INVENTOR(S): TAKAHASHI, KENICHI ET AL. ATTORNEY DOCKET NO. 018775-898 SHEET 5 OF 16 PLURALITY OF JPEG2000 FILES GENERATION BIT STREAM JPEG2000 FILE P QUANTIZATION REPLACEMENT TILE CODE DATA MEMORY STORAGE POST | LAYER | 35, ARITHMETIC CODE BLOCK DIVISION ANALYSIS RESULT STORAGE 28 26 COEFFICIENT BIT MODELING | TILING | FDWT | QUANTIZATION | 27 TILE UNDERLAYER ANALYSIS 25 COLOR SPACE CONVERSION LEVEL SHIFT IMAGE DATA

APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 6 OF 16

Fig.6

		R	G	В	Υ	Cb	Cr
	RED	255	173	230	186.166	14.66077	54.98532
MARKER	BLUE	83	246	255	192.479	32.00379	-61.5791
COLOR.	YELLOW	234	254	158	220.696	-44.6275	10.57143
	GREEN	169	255	143	204.688	-41.4901	-22.3473

Fig.7

TILE	ANALYSIS RESULT	
T0		
T1		
T1 T2		
Т3	RED	
•		
•		
<u>.</u>		
T100		
T101	YELLOW	
T102	YELLOW	
T103	YELLOW	
•		
:		
:		
T200	BLUE	
T201	BLUE	
T202	BLUE	
T203		
•		
:		
•		

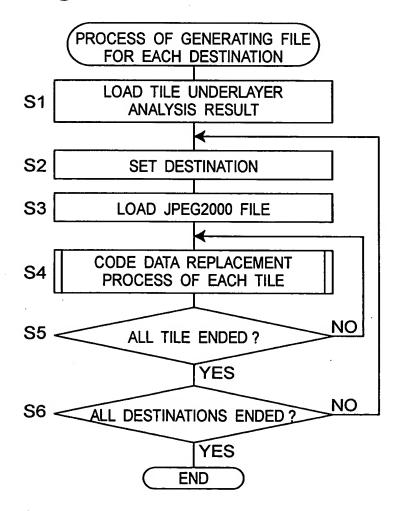
_ 90 REPLACEMENT DATA **63d** 63x TILE 0 ~ 63 SOD MARKER 630 **11**E 630 TILE HEADER TILE HEADER 0 **63b** 1111 **63a** SOT MARKER SOT MARKER **63a** 62 SOC MARKER 61

APPLN. FILING DATE: March 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 8 OF 16

Fig.9

MARKER COLOR	DESTINATION	REPLACEMENT COLOR	
RED	Α	RED(0)	
YELLOW	В	BLACK(1)	
BLUE	С	BLUE(2)	

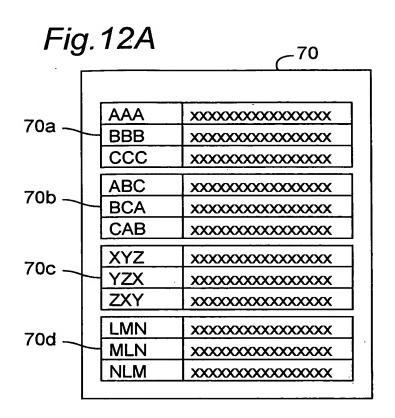
Fig. 10

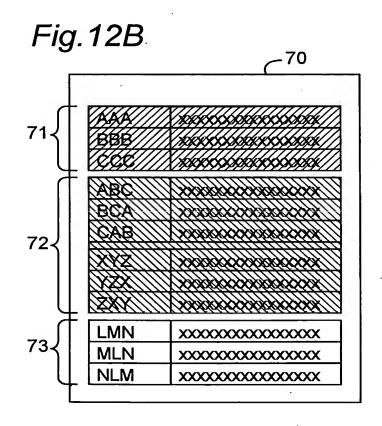


APPLN. FILING DATE: MARCH 25, 2004 TITLE: IMAGE PROCESSING SYSTEM INVENTOR(S): TAKAHASHI, KENICHI ET AL. ATTORNEY DOCKET NO. 018775-898 SHEET 9 OF 16

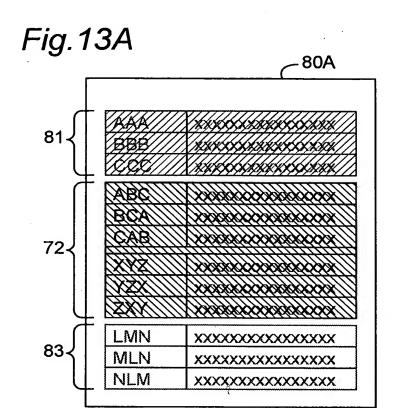
(REPLACEMENT COLOR 2) REPLACED WITH CODE DATA OF REPLACEMENT COLOR 2 REPLACE CODE DATA TO BE YELLOW (REPLACEMENT COLOR 1) S16 REPLACE CODE DATA TO BE REPLACED WITH CODE DATA OF REPLACEMENT COLOR **BLACK** (REPLACEMENT COLOR 0) PREPARE CODE DATA CORRESPONDING TO TILE TO BE PROCESSED AND TILE UNDERLAYER ANALYSIS RESULT OF THE TI THE TILE TO BE REPLACED FOR DESTINATION SET AT PRESENT? A TILE ADDED WITH MARKER REPLACEMENT PROCESS OF CODE DATA OF EACH TILE REPLACED WITH CODE DATA OF REPLACEMENT COLOR 0 REPLACE CODE DATA TO BE REPLACEMENT COLOR IS TRANSMISSION PROCESS **DESIGNATED ?** YES YES 图 COLOR ? RETURN WHAT <u>S</u> Fig. 11 9 2 **S**11 **S12** \$13 **S14**

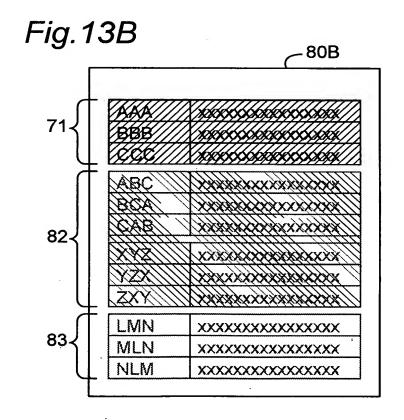
APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 10 OF 16



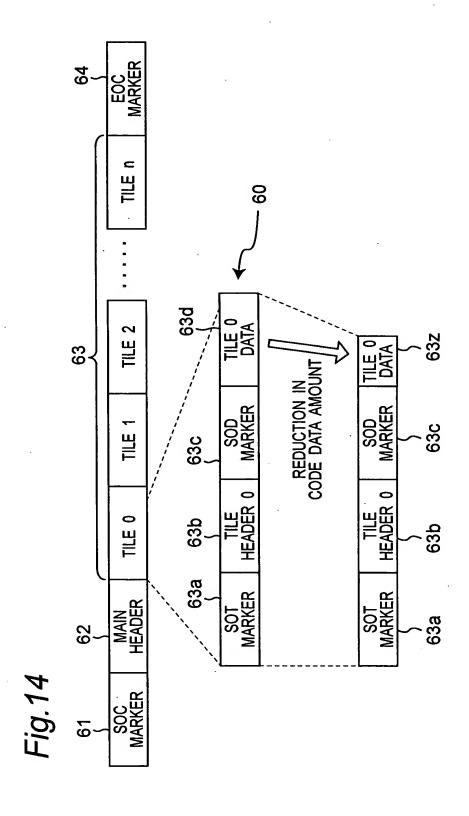


APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 11 OF 16



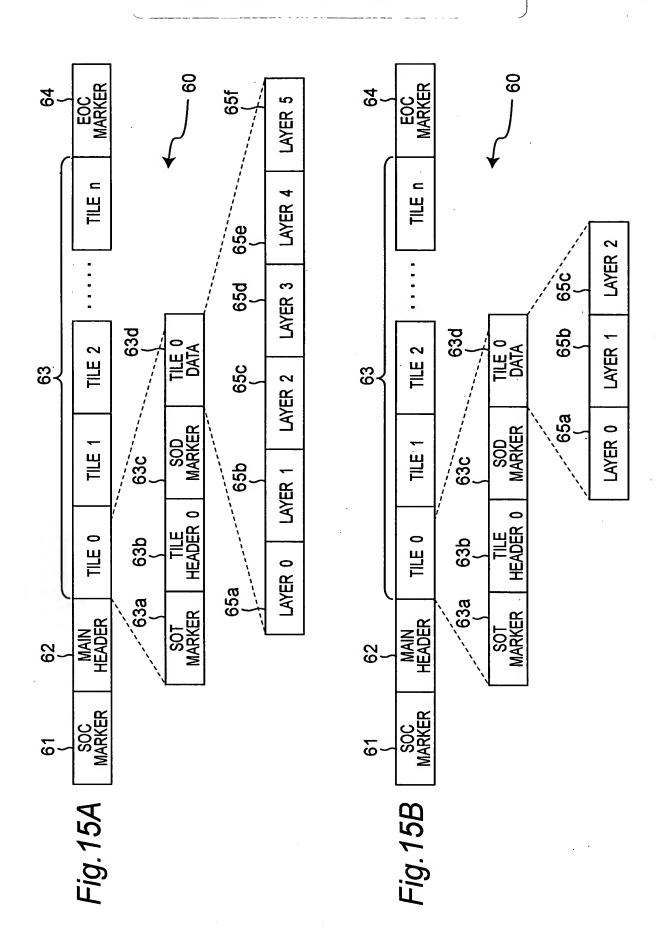


APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 12 OF 16



APPLN. FILING DATE: MARCH 25, 2004

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ATTORNEY DOCKET NO. 018775-898 SHEET 13 OF 16



APPLN. FILING DATE: MARCH 25, 2004
TITLE: IMAGE PROCESSING SYSTEM
INVENTOR(S): TAKAHASHI, KENICHI ET AL.
ATTORNEY DOCKET NO. 018775-898 SHEET 14 OF 16

Fig. 16

MARKER COLOR	DESTINATION	
RED	Α	
YELLOW	В	
BLUE	С	

Fig.17

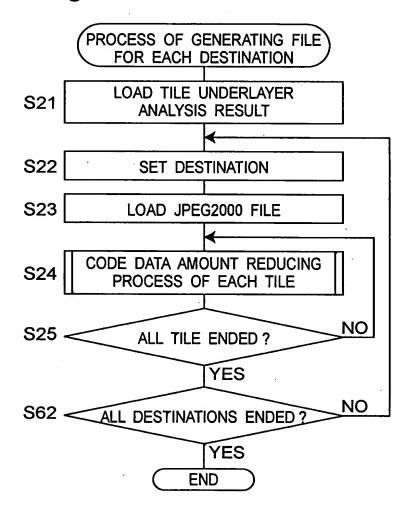
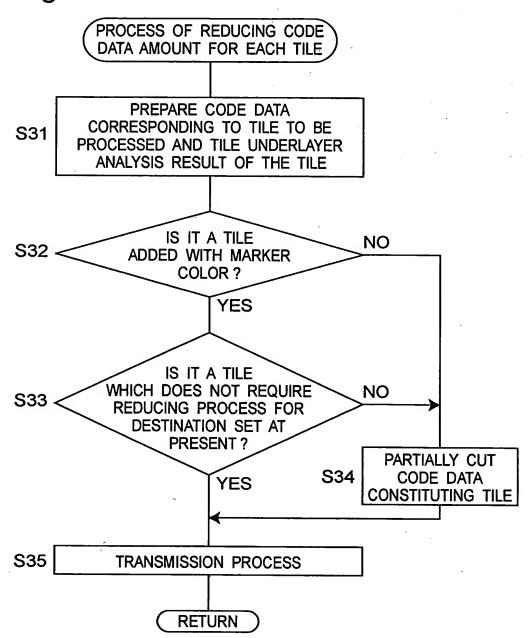


Fig.18



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ATTORNEY DOCKET NO. 018775-898 SHEET 16 OF 16

Fig.19

MARKER COLOR	DESTINATION	CUTOFF LEVEL
RED	Α	0
YELLOW	Α	1
YELLOW	В	0
BLUE	В	2